



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### MCM5 (Human) Recombinant Protein (P01)

**Catalog Number:** H00004174-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human MCM5 full-length ORF (AAH00142, 1 a.a. - 734 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSGFDDPGIFYSDSFGGDAQADEGQARKSQLQRFRK  
EFLRQYRVGTDRTGFTFKYRDELKRHYNLGEYWIEVE  
MEDLASFDEDLADYLYKQPAEHLQLLEEAKEVADEV  
TRPRPSGEEVLQDIQVMLKSDASPSSIRSLKSDMMSH  
LVKIPGIIAASAVRAKATRISIQCRSCRNTLTNIAMRPG  
EGYALPRKCNTDQAGRPKCLDPYFIMPDKCKCVDFQ  
TLKLQELPDVPHGEMPRHMQLYCDRYLCKVVPGN  
RVTIMGIYSIKKFLTTSRGRDRVGVGIRSSYIRVLGIQ  
VDTDGSGRSFAGAVSPQEEEEFRRLAALPNVYEVIK  
SIAPSIFGGTDMKKAIAICLLFGGSRKRLPDGLTRRGDIN  
LLMLGDPGTAKSQLLKVEKCSPIGVYTSKGSSAAGL  
TASVMRDPSSRNFMIEGGAMVLADGGVVCIDFDKM  
REDDRVAIHEAMEQQTISIAGITTTLNSRCSVLAAN  
SVFGRWDETKGEDNIDFMPTILSRFDMIFIVKDEHNEE  
RDVMLAKHVITLHVSALTQTQAVEGEIDLAKLKKFIAYC  
RVKCGPRLSAEAAEKLKNRYIIMRSGARQHERDSDRR  
SSIPITVRQLEAIVRIAEALSKMKLQPFATEADVEEALRL  
FQVSTLDAALSGTSLSGVEGFTSQEDQEMLSRIEKQLK  
RRFAIGSQVSEHSIIKDFTKQKYPEHAIHKVLQMLRRG  
EIQHRMQRKVLRYLK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 106.48

**Interspecies Antigen Sequence:** Mouse (96); Rat (97)

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4174

**Gene Symbol:** MCM5

**Gene Alias:** CDC46, MGC5315, P1-CDC46

**Gene Summary:** The protein encoded by this gene is structurally very similar to the CDC46 protein from *S. cerevisiae*, a protein involved in the initiation of DNA replication. The encoded protein is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation. [provided by RefSeq]

**References:**

1. The selection and characterization of antibodies to minichromosome maintenance proteins that highlight cervical dysplasia. Henderson D, Hall L, Prpic N, Hessling J, Parker M, Sampson S, Simkins S, Brough G, Dixon E, Lenz K, Knapp S, Murphy P, Taylor A, Fischer T, Malinowski DP. *J Immunol Methods*. 2011 May 12. [Epub ahead of print]